

PRL ABS-G5

ABS-GF5

Polymer Resources, Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	2.75	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	3.8	kg	-
Mold Shrinkage, MD	0.004	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	45.5	MPa	ASTM D 638
Tensile Strength at Break	42.7	MPa	ASTM D 638
Flexural Modulus	2896	MPa	ASTM D 790
Izod Impact notched, 1/8 in	80.1	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	93.3	°C	ASTM D 648
DTUL @ 264 psi	87.8	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1080	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	79.4 - 85	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	227 - 238	°C	-
Mold temperature	48.9 - 60	°C	-
Zone 1	191 - 199	°C	-
Zone 2	210 - 221	°C	-
Zone 3	210 - 227	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America

Delivery form

Pellets